SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES – MARINE GEOLOGY UNIT

F (1) SAMPLE NO. +59 (± lat) −02 (± long) 133 (no.) 11

CRUISE NO. 82 WH 5 (year : ship : no 18)

DATE 06 17 (mnth : day 22)

TIME (local) 03 06 (hrs : mins 26)

WATER DEPTH 168 metres 30

POSITION FIXING METHOD A

COMMENT 32

NAVIGATIONAL READINGS (tick lanes with best intersection)

CHAIN 6C

RED ☐ A 8·60 41

GREEN ☑ R 44·60 48

PURPLE ☑ C 70·70 55

POSITION

LATITUDE +59 50·10 (± degs : mins (decimal) 63)

LONGITUDE −01 39·20 (± degs : mins (decimal) 71)

ADDITIONAL INFORMATION :

EQUIPMENT TYPE: 1 = sample recovered; 2 = no sample (geological reasons); 3 = no sample (equipment failure); 4 = no sample (undifferentiated)

G (1) dup cols 2–11

GS | VE | CS | CR | DM | DR | BH | SD | RD | SU | PS | DI | BS | OC | OG

1 (12) (22) (32)

T.D. metres 06 (50–55)

SUMMARY SAMPLE DESCRIPTION : (Free text – max. 69 characters)

H (1) dup cols 2–11

SHELL SAND WITH GRAVEL GRADE SHELL (12–40)

L FRAGS OVER GREY GREEN SILTY SAND (50–80)

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER Head | Readings

HAND VANE Head | Readings

AVERAGED DATA

DEPTH | PENETROMETER (KPa) | HAND VANE (KPa)

I (1) dup cols 2–11

14 18 22

25 29 33

36 40 44

47 51 55

58 62 66

69 73 77

I (1) dup cols 2–11

14 18 22

25 29 33

36 40 44

47 51 55

58 62 66

69 73 77

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[59N002W/133/BGS3_A/1]

SAMPLE DESCRIPTION SHEET

INSTITUTE OF GEOLOGICAL SCIENCES – MARINE GEOLOGY UNIT

SAMPLE NO. +59 −02 133

SURFACE SAMPLE	Equipment Used: GS	Seabed Photo: Yes/No	Stored in: 1 Jars, Bags.

(g)S. Shell sand with gravel grade shell fragments. Colour 2.5Y7/4 pale yellow.
Gravel fraction. 95% shell frags with c.c. whole valves.
Sand fraction fine to very coarse, clean shell sand. Shell frags, bryozoan frags etc worn. 95% carbonate. Lithics rare, rare quartz rounded.
Forams rare, echinoid spines common.

CORE SAMPLE	Equipment Used: CS	Stored in: Cut Cores, Uncut Cores, 1 Jars, Bags.

Depth	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log

(m)

mS. Silty sand. greenish grey 5GY6/1
Mod. reaction to dil HCl, v. pale silt/clay fraction.
Low in shell frags, but high in lithics.
Sand fraction v. fine to medium.

1
2
3
4
5
6

○ shear strength △ compressive strength

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SAMPLE STATION GEOLOGY

GEOLOGIST: N.A.R.

SAMPLE NUMBER: K (1) +59 -02 133 (11)

K dup columns 2-11

DEPTH INTERVAL (m) upper	DEPTH INTERVAL (m) lower	SEDIMENT (Folk class) or main rock type	subordinate rock type	MUNSELL COLOUR	Sorting	HCl Reaction	SAND Grain Size Range	SAND Roundness Range	SAND Sphericity	SAND % Shell Material	MUD Hardness	MUD Plasticity	GRAVEL % Shell Material	GRAVEL Max. Clast Size (mm)	GRAVEL Roundness Range	GRAVEL Sphericity	Basal Contact	Bedding	Jointing	H_2S Odour	Heavy Minerals	Mica	Glauconite	Fauna/Fossils	Whole Shells	Forams	Plant Remains	Chronostrat	Lithostrat	Unit	Comments
0.00	0.05	(G) S		2.5Y7/4	M	S	F K	S U	L	95			100	10	S U	L										R					C
0.05	0.06	MS		5GY6/1	P	N	V C	S U	L																						C
12	21			30					40		48		52			61															80

ABUNDANCE SCALE

L dup columns 2-11

DEPTH INTERVAL (m) upper	DEPTH INTERVAL (m) lower	label	ADDITIONAL COMMENTS (FREE TEXT)
0.00	0.05	1	CLEAN SHELL SAND MAINLY MED TO COARSE GRADE
0.05	0.06	1	NO SHELL MATERIAL IN THE SILTY CLASTS
12	21		30 40 50 60 70 80

SORTING OF TOTAL SAMPLE	HCl REACTION	SAND GRAIN SIZE	ROUNDNESS	SPHERICITY	MUD HARDNESS	MUD PLASTICITY	BASAL CONTACT	BEDDING	JOINTING	H_2S ODOUR	ABUNDANCE SCALE	LITHOSTRAT UNIT	COMMENTS
V = very poorly sorted	N = no reaction	S = silt	V = very angular	L = low	V = very soft	N = non-plastic	G = gradational	F = flat lamination	J = prominent joints	W = weak	R = rare	G = group	C = additional comments below
P = poorly sorted	W = weak	V = very fine	A = angular	H = high	S = soft	L = low plasticity	S = sharp	R = ripple lamination	D = prominent discontinuities	M = moderate	C = common	F = formation	1,2 etc = label if more than one comment.
M = moderately sorted	M = moderate	F = fine	S = subangular		F = firm	I = intermediate	E = erosive	X = cross-bedded	F = fissuring	S = strong	A = abundant	M = member	
W = well sorted	S = strong	M = medium	U = subrounded		T = stiff	H = highly plastic	U = unconformity	D = disturbed		A = induced by acid		B = bed	
X = very well sorted		C = coarse	R = rounded		Y = very stiff			C = colour banded				I = informal	
		K = very coarse	W = well rounded		H = hard			G = graded bedding					

SHEET ____ OF ____

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